

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) <b>WFO Midland, Texas</b>
	<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>	REPORT FOR: MONTH            YEAR <b>September      2008</b>
TO:      Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE <b>Chris Daniels &amp; Lora J Mueller</b> _____ In Charge of HSA	DATE <b>October 24, 2008</b>

*When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)*

**An X inside this box indicates that no river flooding occurred within this hydrologic service area.**

Record flooding occurred along the Rio Grande as a result of heavy monsoonal rainfall and tropical systems across the Conchos basin in Northern Mexico over the previous months. Releases out of La Boquilla, Frank Madera, and Luis Leon reservoirs began in late August and reached the height of 1500 cms (approx 53,000 cfs) on September 16. As a result, levees along both the Rio Conchos and Rio Grande were breached and/or topped in some locations on both the Mexican and US levees. In addition, the town of Redford was cut off due to flooded roadways early on during the event as water below the levee system was able to inundate Farm to Market Rd 170 making travel impossible to most vehicles. TXDOT and other agencies were able to use temporary roads and heavy equipment to get supplies into families in the area.

Areas all along the Rio Grande were flooded and that included Lajitas and Big Bend National Park. Much of the Lajitas Golf Course was underwater and the NWS flood gages were washed away at this location. In addition, Big Bend National Park employees were evacuated from their residences near Rio Grande Village as flood waters began to threaten. Luckily no residences were immediately threatened and all employees were allowed to return to their homes a few days later. Also, many historical and archaeological sites were preserved with sandbagging efforts prior to the height of the event. The flooding continued into mid-October as reservoir releases slowly decreased throughout the end of September.

In addition, heavy rainfall across both the Colorado and Pecos Rivers caused both rivers to briefly go above Flood Stage. A reported 11 inches of rain fell on September 11 in Terrell County along State Highway 349 causing damage to that roadway. No additional damage was reported.

**Precipitation amounts from area ASOS:**

City	ASOS ID	September	August
Carlsbad, NM	CNM	2.24 inches	1.54 inches
Fort Stockton	FST	1.81 inches	0.43 inches
Guadalupe Pass	GDP	1.19 inches	1.37 inches
Midland Int'l	MAF	2.16 inches	2.42 inches
Odessa	ODO	2.10 inches	3.39 inches
Terrell County	6R6	1.58 inches	1.26 inches
Wink	INK	3.60 inches	1.27 inches

**Precipitation amounts from area AWOS:**

<b>City</b>	<b>ASOS ID</b>	<b>September</b>	<b>August</b>
Alpine	E38	2.72 inches	5.06 inches
Artesia, NM	ATS	0.42 inches	1.00 inches
Big Spring	BGP	1.74 inches	1.74 inches
Gaines County	GNC	3.71 inches	0.70 inches
Marfa	MRF	2.75 inches	4.47 inches
Midland Airpark	MDD	3.04 inches	0.42 inches
Pecos	PEQ	0.83 inches	0.53 inches
Snyder	SNK	1.75 inches	0.21 inches

**Average reservoir levels across the HSA averaged 43% of conservation capacity at the end of September.**

<b>Reservoir (County, State)</b>	<b>September Conserv Cap (%)</b>	<b>August Conserv Cap (%)</b>
JB Thomas (Scurry, TX)	11	8
Colorado City (Mitchell, TX)	73	76
Champion Creek (Mitchell, TX)	22	25
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	39	24
Brantley (Eddy, NM)	85	81
Avalon (Eddy, NM)	N/A	N/A
Red Bluff (Reeves, TX)	21	22

**Products Issued for September:**

Flash Flood Watches: 34  
Flash Flood Warnings: 64  
Flash Flood Statements: 1  
Flood Warnings: 42  
Flood Statements: 101  
Hydrologic Statements (RVSMAF): 80  
Drought Statements: 1  
Hydrologic Outlooks (ESFMAF): 0

**Total Products Issued: 144**

cc: email: HIC, SRH, NWS ABQ, NWS EPZ, NWS FWR, NWS LBB,  
NWS MAF, NWS SJT, LCRA, TAMU, TCEQ, COE ABQ, IBWC PRD, IBWC ELP, USGS  
SJT, USGS CNM